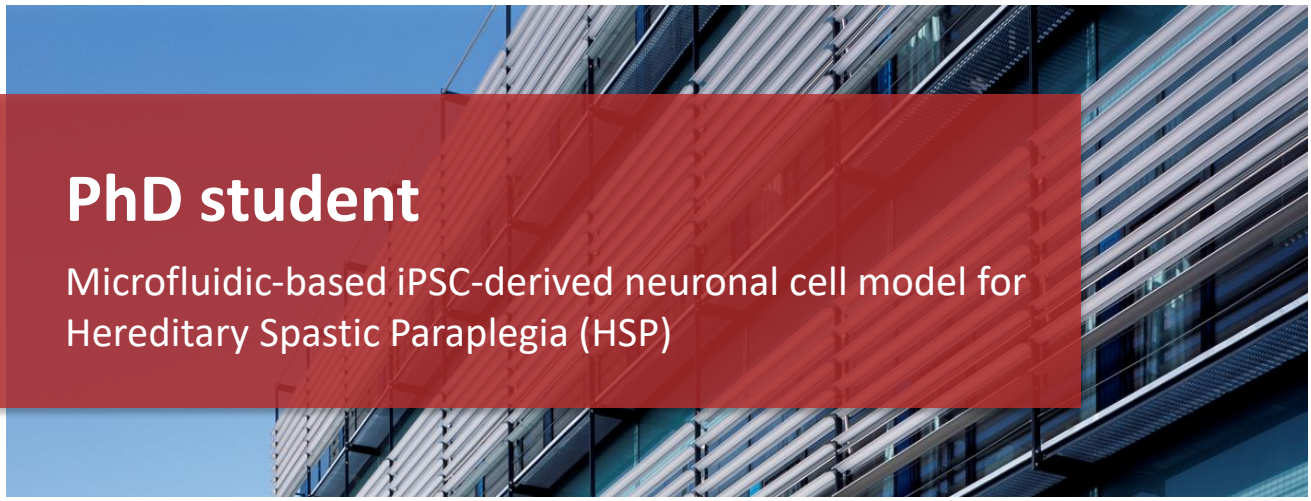
Hertie Institute
for Clinical Brain Research



PhD student

Microfluidic-based iPSC-derived neuronal cell model for Hereditary Spastic Paraplegia (HSP)

The Hertie Institute for Clinical Brain Research (HIH), together with the University of Tübingen's Neurology Hospital, forms the Center of Neurology. It is dedicated to research, treatment, and teaching focused on the diseases of the human brain.

Starting in the beginning of 2020 the HIH is looking for a

PhD student (TV-L13, 65%)

About us

The Section of Clinical Neurogenetics (PI: Ludger Schöls) investigates genetic causes and related patho-mechanisms in cerebellar ataxias and motorneuron diseases (hereditary spastic paraplegia). Thereby, the Schöls lab takes advantage of the broad access to patient-derived biomaterials and focusses on the identification of new disease genes and disease modelling by using induced pluripotent stem cells (iPSCs).

Your profile

The ideal candidate will be a highly motivated, team-oriented researcher, capable of independent working and an eagerness to learn new skills and methods to answer challenging research questions.

- Master´s or equivalent degree in biochemistry/ neurosciences/ molecular medicine/ biology, or related sciences
- Previous laboratory experience in cell culture (iPSCs) and molecular biology are highly encouraged

Our offer

Positions are funded according to the German compensation schemes for 3 years (TV-L13, 65%). The start date is flexible, but preferably early in 2020. The working language in the group and institute is English and we welcome applications from international applicants.
The position is part of a collaborative project of the HIH (Schöls group) with strong expertise in generating patient derived iPSC models of HSP on the one hand and the know-how of the NMI (Cesare group, Natural and Medical Science Institute) in bioengineering of microfluidic devices and microelectrode array technologies on the other hand. Aim of the PhD project is to establish an optimized cell culture platform to model HSP by combining microfluidics and iPSC technology.
We offer a highly stimulating environment, close connections of clinical and basic research, state-of-the-art laboratories and comprehensive scientific and personal development.

Have we sparked your interest?
To apply or with further questions, please send an email to:

ludger.schoels@uni-tuebingen.de

Please include your CV, a short cover letter explaining why you would like to join our group and institute, a statement of your research interest and motivation as well as ideally two academic references in a single pdf document until 15th of December 2019.

For more information visit:
www.hih-tuebingen.de/en/forschung/neurodegenerative-diseases/research-groups/section-for-clinical-neurogenetics/